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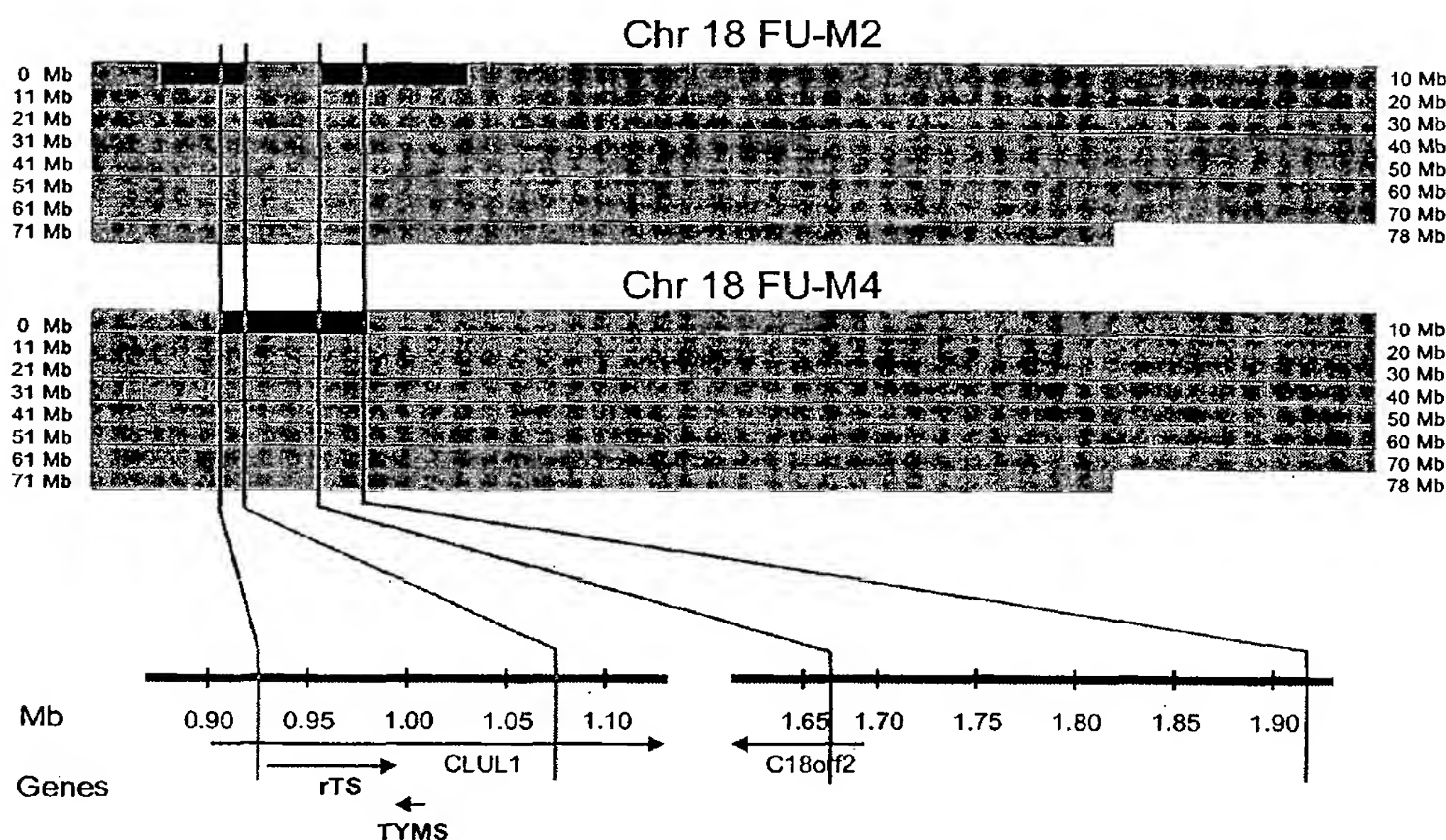
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(54) Title: THYMIDYLATE SYNTHASE GENE AND METASTASIS



(57) Abstract: Thymidylate synthase (TYMS) gene amplification was observed in 23% of 31 5-FU resistant liver metastases, while no amplification was observed in metastases of patients that had not been treated with 5-FU. Patients with metastases containing TYMS amplification had a substantially shorter median survival (329 days) than those without amplification (1021 days, $p < 0.01$). Genetic amplification of TYMS has important implications for the management of colorectal cancer patients with recurrent disease.



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